

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA****SUPPLEMENTAL SPECIFICATION****Section 883—Mineral Filler**

---

*Delete Section 883 and substitute the following:*

**883.1 General Description**

This section covers mineral filler used as an ingredient in bituminous paving mixtures. Use mineral filler listed in the approved Asphalt Mix Design and Job Mix Formula and in Qualified Products List (QPL) 81. Use an approved mineral filler that meets the requirements below and consist of finely divided rock dust, slag dust, hydrated lime, hydraulic cement, or fly ash. Other fine, inert, non-toxic materials produced as by-products of industrial processes and meeting the requirements below may be approved as mineral filler based on satisfactory performance in the asphalt mix design procedure. Ensure mineral filler is sufficiently dry, flows freely, and is free from lumps.

**883.1.01 Related References****A. Standard Specifications**

General Provisions 101 through 150.

**B. Referenced Documents**

QPL81

AASHTO R 28

AASHTO T 240

AASHTO T 313

AASHTO T 315

GDT-22

GDT 123

**883.2 Materials****883.2.01 Mineral Filler****A. Requirements**

Use mineral filler meeting the following gradation limits:

<b>Sieve Size</b>	<b>Percent Passing</b>
No. 30 (600 µm)	100
No. 50 (300 µm)	95-100
No. 200 (75 µm)	55-100

Ensure that the mineral filler is free from impurities.

Subject mineral filler for use in Stone Matrix Asphalt (SMA) to mortar property testing according to AASHTO T-240, AASHTO R-28, AASHTO T-313, and AASHTO T-315. Mineral filler may be rejected and removed from QPL-81 for unsatisfactory performance as an ingredient in an asphalt mixture, as determined in these procedures or in the SMA Mix design procedure, GDT-123. Ensure the total fine mortar meets the following requirements:

Test	Specification
Unaged DSR, $G^*/\sin\delta$ (kPa)	5 minimum
RTFO Aged DSR, $G^*/\sin\delta$ (kPa)	11 minimum
PAV Aged BBR, Stiffness (MPa)	1500 maximum

**B. Fabrication**

General Provisions 101 through 150.

**C. Acceptance**

Test gradation according to GDT-22.

**D. Materials Warranty**

General Provisions 101 through 150.

Office of Materials and Research